

GDADS Back-Office config file Properties.txt (D18)

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#
#
#           GDADS—Geoscience Data Archive and Distribution System
#
#
#
# GDADS provides a comprehensive geophysical data management solution.  It is
designed to provide#
# two main functions-
#
#
#
# -systematic data archiving and retrieval
#
# -allow customers to visualise and order (subsets of) data
#
#
# Whilst the archive and retrieval capabilities of GDADS can be applied to any
type of data, the#
# real power of GDADS is achieved with Intrepid geophysical datasets.  It
provides simple but      #
# still powerful visualisation of gridded geophysical data through a simple,
easy-to-use GUI      #
# interface.  Furthermore a user can easily generate maps from those data, or
'order' subsets of #
# data.
#
#
#
# GDADS typically has two 'personalities'-
#
#
#
# -Back-Office - 'administrator' - assist the data custodian in data
management and archive.#
# - Front-Office - data 'provider' - facilitate (public) access to the data
store, and allows #
#
#           customers to view, and order data.
#
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#
# These two 'personalities' generally require that GDADS is configured in two
different ways      #
# which are optimised to the two different functions.  The Front-Office
interface is focussed on #
# providing simple, easy-to-use data finding, visualisation and purchasing of
data.  The Back      #
# Office has additional tools to assist the data custodian in managing the data
archive.      #
#
#
# Configuration of GDADS is achieved through this 'Properties.txt' file, and
GDADS is typically #
# implemented with two alternative versions of this file.
#
#
#
# "Properties.txt"   - this file, optimised for the Back-Office
#
#
#
# "FO_Properties.txt" - alternative file, configured for Front-Office
#
#
#
# GDADS uses an environment variable to define the configuration file that is
used.  This      #
# environment variable (INTREPID_GDADS) must be set to define the full path and
name of the      #
# configuration file.  For example,.
#
#
#
# INTREPID_GDADS=G:\gdads\admin\Properties.txt
#
#
#
# GDADS uses this environment variable to locate the configuration file, then
reads the file to #
# determine all remaining configuration requirements.  The notes within this
file explain the      #
# configuration options.  Additional configuration options - more appropriate to
'Front-Office'      #
# needs - are listed and explained in the alternative "FO_Properties.txt" file.
#
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# GDADS is a comprehensive data management software SYSTEM, and uses various
components, which #
# together, create the SYSTEM. The configuration file defines the relationships
between those #
# components. The components of GDADS are:
#
#
#
# GDADS - the executable
#
# Database - a meta-data database, which contains brief details about each of
the surveys, #
# contains survey outlines, and also records the archive details for
the surveys. #
# Data - survey data, stored within 'survey' directories in GDADS on-line
data storage area#
# (and also archived onto tape or CDROM copies of those survey
directories). #
#
#
# The configuration file tells GDADS:
#
#
# - where the ON-LINE data storage directory is
#
# - where other necessary auxiliary files are located
#
# - where the database is
#
# - various details about that database:
#
# - how to access the database to read/write
#
# - the names of important tables in the database
#
# - the names of various fields within those database tables
#
# - various 'commercial' details:
#
# - what products are for sale
#
# - at what prices
#
#
#
# Comments - a '#' at START of a line signifies a 'comment' - all text on that
line is ignored. #
# Blank Lines are ignored.
#
#
#
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```
GDADS uses Intrepid software for all of its data processing tasks, such as the
visualisation #
# of data, 'scissoring' of data subsets purchased by customers, and exporting
line data from #
# Intrepid binary databases to ASCII.
#
#
#
#
#
# GDADS and Intrepid are copyright software products from Intrepid Geophysics
#
#
#
# Contact INTREPID GEOPHYSICS
#
#     Unit 2, 1 Male Street
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#     BRIGHTON, Vic, 3186
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#     AUSTRALIA
#
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#
#     Fax   +61 (0)3 9592-4142
#
#     email info@dfa.com.au
#
#     web   www.dfa.com.au   or   www.intrepid-geophysics.com
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#
#
# INSTALLATION
#
#
#
# This section specifies several 'installation' components required by GDADS.
For example, the #
# directories which GDADS uses must be specified.
#
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#
#
# # PATHS to required Directories ...
#
#
# # The main PATH used by GDADS is derived from the environment variable
INTREPID_GDADS, #
# # which defines the full path to this configuration file
'Properties.txt'. #
#
#
# # for example, INTREPID_GDADS=G:\gdads\admin\Properties.txt
#
#
# # All other paths are defined RELATIVE TO THIS PATH. Thus, those
additional directories #
# # that GDADS uses must all be on the same disk drive, and are typically
defined by #
# # relative paths such as '../Directory_X'
#
#
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#
# Directories used by GDADS:
# .imageDir - directory containing image files for use as icons and similar
purposes in GDADS interface.
# .archivePath - directory containing GDADS 'ON-LINE' data store.
# .CDCutPath - directory into which data to be cut to CDROM are placed.
# .exportPath - directory where GDADS writes job files for map-making and data
scissoring.
# .archiveBaseName - Typically set this to blank
# .archiveBaseName has a DEFAULT value of 'GDADS'. To have a completely
blank base-name,
# then set GDADS.properties.archiveBaseName=<<<with NOTHING here, not even
blanks.
# How is 'base-name' used ???? Assume 'base-name' is the default 'GDADS'.
Then
# If SurveyName in database is 'Qwerty',
# Then GDADS will expect directory 'GDADS_Qwerty' to exist in the 'ON-LINE'
data store.
#
# Note. Use '/' in following, NOT '\'
GDADS.properties.imageDir=../images
GDADS.properties.archivePath=../ONLINE
GDADS.properties.archiveBaseName=
GDADS.properties.CDCutPath=../CD
GDADS.properties.exportPath=../EXPORT
#

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#
#   # Examples of some of the graphics images used by GDADS:
#
#   #
#   #   images\gdads.jpg           Splash Image
#   #   images\home.gif           Navigate home button
#   #   images\info.gif           Info button
#   #   images\ftp.gif            FTP button
#   #   images\order.gif          Order button
#   #   images\letterhead.gif     Order Form Letterhead
#
#
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#####
#
# Computer used to deliver mail
#   GDADS.properties.MailServerName = pop.dfa.com.au
# Email address of the GDADS Administrator
#   GDADS.properties.gdadsAdministrator = ray@dfa.com.au
# FTP settings - not currently used in the 2001 installation
#   GDADS.properties.FTP.defaultUser =
#   GDADS.properties.FTP.defaultServer =
#   GDADS.properties.FTP.archiveDir =
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#
#
# DATABASE CONNECTION
#
#
# GDADS uses a database which contains brief details about survey datasets. This
database also #
# contains the survey boundary outlines (polygon 'shapes') and records the
archiving details. #
# Any database may be used - possibly an existing corporate database - but it
would need to be #
# designed / modified to include the special tables, and special fields within
some of those #
# tables, which are used by GDADS. Intrepid Geophysics does supply suitable
databases, already #
# setup to meet GDADS functional requirements.
#
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```
# This section describes the protocol which GDADS will use to read and write the
database.      #
# Several alternatives are listed here--choose one, and leave all of the
alternatives      #
# 'commented out'.
#
# A 'database driver' will need to be set up - see GDADS User Manual. The 'name'
of that      #
# database driver must be specified here.
#
#
#
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#
# Database Name:
# .databaseName - the (system) name of the database 'driver' (must match
exactly)
# .serverName - network name of a server, used if accessing a database across
a network
#
GDADS.properties.databaseName = NAMIBIA
# Database server name
# GDADS.properties.serverName =
# Select the type of database driver, protocol name, and port.
# the choices are -
# (1) ODBC
GDADS.properties.DBType = ODBC
GDADS.properties.protocolName = odbc
# (2) RMIJDBC
# GDADS.properties.DBType = RMIJDBC
# GDADS.properties.protocolName =
# GDADS.properties.portNumber = 1234
# (3) ORACLE
# GDADS.properties.DBType = ORACLE
# GDADS.properties.protocolName = oracle:thin
# GDADS.properties.portNumber = 1521
# (4) DBMS_PGSQL
# GDADS.properties.DBType = DBMS_PGSQL
# GDADS.properties.protocolName = postgresql
# GDADS.properties.portNumber = 5432
# (5) THINWEB
# GDADS.properties.DBType = THINWEB
# GDADS.properties.protocolName = thinweb
# GDADS.properties.portNumber = 1212
# GDADS.properties.tunnel = rascal
# GDADS.properties.getColumns = true
#####
#####

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DATABASE VIEW

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#
#
# GDADS needs to know several things about the database that it will use. The
database holds all#
# of the meta-data, describing survey specifications, etc. The spatial
information for all      #
# Survey and Map 'objects' is also stored in the database as boundary polygons.
A consistent      #
# Datum and Projection must be used for these polygon files, and is specified
here.      #
# GDADS requires the names of particular tables in the database, and also the
names of certain      #
# fields within those tables.
#
#
#
# Datum and Projection:
#
# All stored polygon objects stored in the database must have a common Datum and
Projection.      #
# Typically the projection will be 'GEODETIC' ('unprojected' coordinates) such
that a      #
# country-wide map display can be rendered with simple lat/long coordinates.
#
#
#
# Note that the restriction to a common Datum and Projection:
#
#   - ONLY applies to the boundary polygons STORED IN THE DATABASE.
#
#   - DOES NOT apply to the data itself--those grid files and line datasets may
be stored      #
#       using other Datums and Projections (subject to the requirement noted
below).      #
#
#
#
#!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!#
#      #
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```
#      # EXPECTATION:
#
#      #
#
#      # There IS one requirement for the 'special' grids which are USED by GDADS
for data      #
#      # visualisation and map-making--those grids must be projected grid files-
-such that#
#      # distances are expressed in a 'distance-unit' rather than 'degrees'
#
#      # Further, this 'distance-unit' must be CONSISTENT with the
surveyLineSpacing      #
#      # and with the Pricing
#
#      # (these should consistently be metres, and $/square-KILOMETRE and $/
line-KILOMETRE      #
#
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!#
#
#
# One of GDADS main uses of the database to render a MapView of Survey and
related objects:#
#
#
#   Surveys - the MAIN survey data objects
#
#   Regions - an ALTERNATIVE layer of outline objects (Map Sheets--select one
from a list)      #
#   BaseMap - a country outline
#
#
#
# In addition, GDADS uses the database for Archive Management, for some aspects
of rendering      #
# the User Interface and controlling options and prices in the Data Purchasing
wizard. There are#
# also some special tables used by GDADS manage some of the 'special' fields in
the database      #
# tables, such as the special binary fields used to store polygon files, tape
archive      #
# contents, etc.
#
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# Datum and Projection:
GDADS.properties.Datum = SCHWARZECK
GDADS.properties.Projection = GEODETIC

# Surveys:
# .PrimaryTableName - the database table containing survey meta-data
# .order - controls the order of GDADS display of meta-data, row-wise, from
the top-left
# .Outlines - refers to the table in which survey polygon outlines are stored.
# .attributes
# = true - enables GDADS to display the attributes table for a selected Survey
object
# = false - disables display of the attributes
# .table - the name of table containing the boundary outlines of the SURVEY
map objects
# .field - the name of field which contain the outline-polygon
# .key - the name of the key field in this table
GDADS.Properties.PrimaryTableName = SURVEYINFO
GDADS.properties.order.SURVEYINFO =
SURVEYNAME,GROUND_CLEARANCE,SURVEYTITLE,SAMPLING_INTERVAL,YEAR,LINE_SPACING,CON
TRA
CTOR,TIE_SPACING,CONFIDENTIAL,LINE_DIRECTION,MAGNETICS,TIE_DIRECTION,RADIOMETRI
CS,MAG_SENSOR_TYPE,EM,FULL256,GRAVITY,DOMAIN

GDADS.properties.Outlines.attributes = true
GDADS.properties.Outlines.table = OUTLINES
GDADS.properties.Outlines.field = OUTLINE
GDADS.properties.Outlines.key = SURVEYNAME

# Regions:
# .Regions - refers to the one or more layers of ALTERNATIVE map objects -
typically map sheets
# .table - the names of table(s), containing map objects - typically map
sheets
# .field - the name of fields in those tables which contain the map-polygon
# .key - the name of the key fields in those tables
# .table.current - the name of the table which is loaded by default into MapView
# .attributes
# = true - enables GDADS to display the attributes table for a selected
Regions object
# = false - disables display of the attributes
# .attributes.display - the field name displayed in the MapView status-bar (when
'selected')
GDADS.properties.Regions.attributes = true
GDADS.properties.Regions.attributes.display = id
GDADS.properties.Regions.table.current = 250k
GDADS.properties.Regions.table = 250k,100k_new,100k_odd,50k_new,50k_odd
GDADS.properties.Regions.field = SHAPE,SHAPE,SHAPE,SHAPE,SHAPE
GDADS.properties.Regions.key = id,id,id,id,id
```

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# BaseMap:
# .BaseMap - refers to a base-map object - typically a country outline (and
limited topography ?)
# .table - the names of table containing the base-map object
# .field - the name of field which contains the base-map-polygon
GDADS.Properties.BaseMap.table = COUNTRY
GDADS.Properties.BaseMap.field = SHAPE
# Interface, Archive, Data Purchase, System requirements, ...
# Some of the data used in GDADS MapView is ALSO used in the GDADS GUI interface
# (for example, survey polygons are also used to 'list' survey objects in the
Archive Manager).
# Images (not currently implemented) are used in the context of enhancing the
GUI
# .Images - refers to graphics depicting, for example, the magnetics of a
survey. They
#           could be small 'thumb-print' image files, or full detailed images.
# = true - (or not present = default) 'Images' can be chosen for display in
MapView
# = false - disallows choosing of 'Images' for MapView display
# .attributes
# = true - enables GDADS to display the attributes table for a selected Images
object
# = false - disables display of the attributes
# .format is one of RGBA | RGBAZIPPED | URL
# .table - the names of table containing Images objects
# .field - the name of field which contain the Image object
# .key - the name of the key field in this table
GDADS.properties.Images = false
GDADS.properties.Images.attributes = true
GDADS.properties.Images.format = URL
GDADS.properties.Images.table = IMAGES
GDADS.properties.Images.field = IMAGE
GDADS.properties.Images.key = SURVEYNAME
# System Requirements:
# Special SYSTEM Tables required by the GDADS System (Must have these!)
GDADS.properties.FieldInfoTableName = GDADS_FIELDINFO
GDADS.properties.TapeInfoTableName = GDADS_TAPEINFO
GDADS.properties.OrderTableName = GDADS_ORDERINFO
# Other System, Interface and Purchasing Requirements:
# GDADS needs to know certain field names of the MAIN Survey Data table:
# .IconDisplayFieldName -
# .confidentialFieldName - the field name defining the confidentiality status of
surveys
# .linespacingFieldName - the field name containing survey line spacing (in
METRES)
#
#####
#####

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```
#
#
# EXPECTATION:
#
#
# - that "confidentialFieldName" is expressed as 'OPEN FILE' ' CLOSED FILE'
#
# - that "linespacingFieldName" is expressed in METRES !!!
#
#
#!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!!!!!!!!!!!!!!!!!!!!!!!!!!#
GDADS.Properties.IconDisplayFieldName = SURVEYNAME
GDADS.properties.confidentialFieldName = confidential
GDADS.properties.linespacingFieldName = line_spacing
#####
#####

#
#
# LOOK AND FEEL BEHAVIOUR
#
#
#
# This section specifies several elements of how the GDADS interface should be
rendered onto the#
# screen. Some of these relate to earlier implementations of GDADS, and are
currently not      #
# implemented (August, 2001). Several are used to 'turn-off' options
#
#
#
#####
#####

#
# Database Log-in, Username, Password:
#
# Note. This does NOT relate to the log-in to GDADS. It is related to accessing
the database.
# Some databases may require a Username/Password before giving access.
#
# .defaultUser      - a default Username to appear in the database login
# .defaultPassword - a default Password to appear in the database login
```

```
#           If BOTH defaults are specified, the login dialog box is bypassed
# .login
#   = true   - enable a login dialog box to access the database
#   = false  - disables login dialog box
GDADS.properties.defaultUser = none
GDADS.properties.defaultPassword = none
GDADS.properties.login = false
# Digital Confidentiality (Not currently implemented - August, 2001):
GDADS.properties.haveDigitalConfidentiality = true
# Note. Use '/' in following, NOT '\'
GDADS.properties.agreement.fullPath = ./agreement.txt
# Default GDADS Client Window sizes (for the main Map View window, and the
Visualisation window)
GDADS.properties.Client.X = 625
GDADS.properties.Client.Y = 675
# Size of the GDADS 'drag-and-drop' panels displayed down the right side of
GDADS interface.
GDADS.properties.Container.size = 90
# Turn off options in initial pane
#
# Map Display 'drag & drop panels' along the right-hand side
# .map.info = false           false=Do not show the Show Information panel
# .map.ftp = false            false=Do not show the FTP panel
# .map.order = false          false=Do not show the Order Data panel
# .map.buydata = false        false=Do not show the BuyData Wizard panel
# .map.connection = false     false=Do not show the Database Connections panel
#
```

```
# Map Display buttons along the top-left toolbar
# .map.toolbar.openfile = falsefalse=Do not show the Open File button
# .map.toolbar.opendb = falsefalse=Do not show the Open Database button
# .map.toolbar.zoomextent = falsefalse=Do not show the Zoom to Extents button
# .map.toolbar.query = falsefalse=Do not show the SQL Query-Builder button
# .map.toolbar.help = falsefalse=Do not show the Help button
GDADS.properties.map.options.gis = false
GDADS.properties.map.info = true
GDADS.properties.map.ftp = false
GDADS.properties.map.order = false
GDADS.properties.map.buydata = false
GDADS.properties.map.connection = false
GDADS.properties.map.export = false
GDADS.properties.map.toolbar.openfile = false
# GDADS.properties.map.toolbar.opendb = false
# GDADS.properties.map.toolbar.zoomextent = false
GDADS.properties.map.toolbar.query = false
GDADS.properties.map.toolbar.help = false
GDADS.properties.list.info = true
GDADS.properties.list.ftp = false
GDADS.properties.list.order = false
GDADS.properties.list.connection = false
GDADS.properties.list.toolbar.openfile = false
GDADS.properties.dbadmin.connection = false
GDADS.properties.dbadmin.tables = false
GDADS.properties.dbadmin.regionoutlines = true
GDADS.properties.dbadmin.toolbar.openfile = false
GDADS.properties.dbadmin.toolbar.savefile = false
GDADS.properties.archive.info = true
GDADS.properties.archive.retrieve = true
GDADS.properties.archive.archive = true
GDADS.properties.archive.cuttape = false
GDADS.properties.archive.cutcd = false
GDADS.properties.archive.tapelisting = false
GDADS.properties.archive.connection = false
GDADS.properties.archive.toolbar.openfile = false
GDADS.properties.archive.toolbar.rewind = false
GDADS.properties.archive.toolbar.erase = false
GDADS.properties.archive.toolbar.info = false
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```
# SHOP
#
#
# This section defines the products available for sale, various business rules,
and sale prices.#
# 'SHOP' is mainly needed for the Front-Office. For a more comprehensive set-up
of shop      #
# parameters, and very extensive notes, see the alternative file,
'FO_Properties.txt'.      #
# 'SHOP' is PARTLY needed in the Back-Office, because the settings define what
grids are      #
# 'for sale', and therefore able to be 'viewed'. If not defined, then GDADS
does not show it.      #
# The expanded notes in 'FO_Properties.txt' describe in detail the relationship
between these      #
# configuration file entries (below), and associated field-names in the GDADS
database tables,      #
# and also the directory-structure and file-naming conventions that must be used
in the 'online'#
# data store.
#
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GDADS.properties.buydata.products = magnetics,radiometrics,em,gravity
GDADS.properties.buydata.products.labels = Magnetics,Radiometrics,EM,Gravity
GDADS.properties.buydata.flavours = Grids,LineData
GDADS.properties.buydata.addons = Maps,GeoTiffs
GDADS.properties.buydata.addons.magnetics.default = SunAngleDrape
GDADS.properties.buydata.addons.radiometrics.options =
default,potassium,uranium,thorium
GDADS.properties.buydata.addons.radiometrics.default = Ternary
GDADS.properties.buydata.addons.radiometrics.potassium = PseudoColour
GDADS.properties.buydata.addons.radiometrics.uranium = PseudoColour
GDADS.properties.buydata.addons.radiometrics.thorium = PseudoColour
GDADS.properties.buydata.addons.em.default = PseudoColour
GDADS.properties.buydata.addons.gravity.default = PseudoColour
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#####

#
#
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```
# ADMINISTRATOR
#
#
#
# This section provides a variety of 'administrative' inputs which are used by
GDADS.          #
#
#
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#####

# Table Builder Properties: GUIType1 to GUIType7 define different datatypes
which may exist
# in the database, and can be presented with appropriate interface styles in the
GDADS interface.
  GDADS.properties.noOfGUITypes = 7
  GDADS.properties.GUIType1 = TextField
  GDADS.properties.GUIType2 = TextArea
  GDADS.properties.GUIType3 = Choice
  GDADS.properties.GUIType4 = Label
  GDADS.properties.GUIType5 = CheckBox
  GDADS.properties.GUIType6 = Image
  GDADS.properties.GUIType7 = ArcViewShape
# Arcview Integration
  GDADS.properties.ArcView.RPCServerName = wriggles
  GDADS.properties.ArcView.RPCProgramNo = 1073741825
# TAR Settings - there are differences between the tar implementations of
various platforms
# .TAR.tarType - Choose between POSIX , SUN or SGI
# .TAR.usesStdErr
#   = true      - the tar device writes its error message to the 'stderr' logical
unit
```



```
# = false -
# .TapeDeviceName
# .TAPEAction
# = append - NO NO NO !!!!!!! NOT IMPLEMENTED
GDADS.properties.TAR.tarType = POSIX
GDADS.properties.TAR.usesStdErr = true
# Note. Use '/' in following, NOT '\\'
GDADS.properties.TapeDeviceName=/dev/mt
# GDADS.properties.TAPEAction=append <<<< ALL TAPE WRITING OVERWRITES
!!!!!!!!!!!!!!!!!!!!!!
# Fonts - Not yet implemented
GDADS.properties.dialogFont.normal = Serif-plain-12
GDADS.properties.dialogFont.bold = Serif-bold-12
GDADS.properties.dialogFont.large = Serif-plain-14
# Windows Colours - Not yet implemented
GDADS.properties.windows.background = 0xC8D7FA
GDADS.properties.windows.foreground =
GDADS.properties.dialogs.background =
GDADS.properties.dialogs.foreground =
# Graphics Colours for Layers
GDADS.properties.Outlines.foreground = 0x0000FF
GDADS.properties.Regions.foreground = 0xC80000
GDADS.properties.BaseMap.foreground = 0xC80000
#
#
# End of Properties File
#
#
#####
#####
```